

Applications

This luminaire can be used as spot light, down light and tunnel light which can provide general illumination in hazardous locations, such as:

- Refinery factory
- Oil and gasoline loading dock
- Gas station
- Painting manufacture workshop
- Pumping station
- Metal Smelting Plant
- Mining
- Ocean platform
- Aerospace
- Chemical plant
- Vessel
- Military
- Flour mill
- Distillerie
- Power station
- Other high humidity, high temperature, dusty location...



B Series

Features

- High efficacy: up to 140lm/W
- CRI>70
- Surface mounting and pendant installation
- Wide and narrow optics for uniform illumination
- Copper free aluminum
- High vibration resistance

Ratings and Certifications

- **NEMA 4X, IP66**
- **UL1598/UL1598A/UL844**
- **CSA C22.2 No.137/No.250.0**
Class I, Division 2, Groups A,B,C,D
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups E,F,G
Class III
- **Marine and Wet Locations**
- **IECEX**
- **ATEX**
- **5 years or other warranty period specified in agreement**
- **L70 rating for more than 150000 hours**



Typical Model Specification

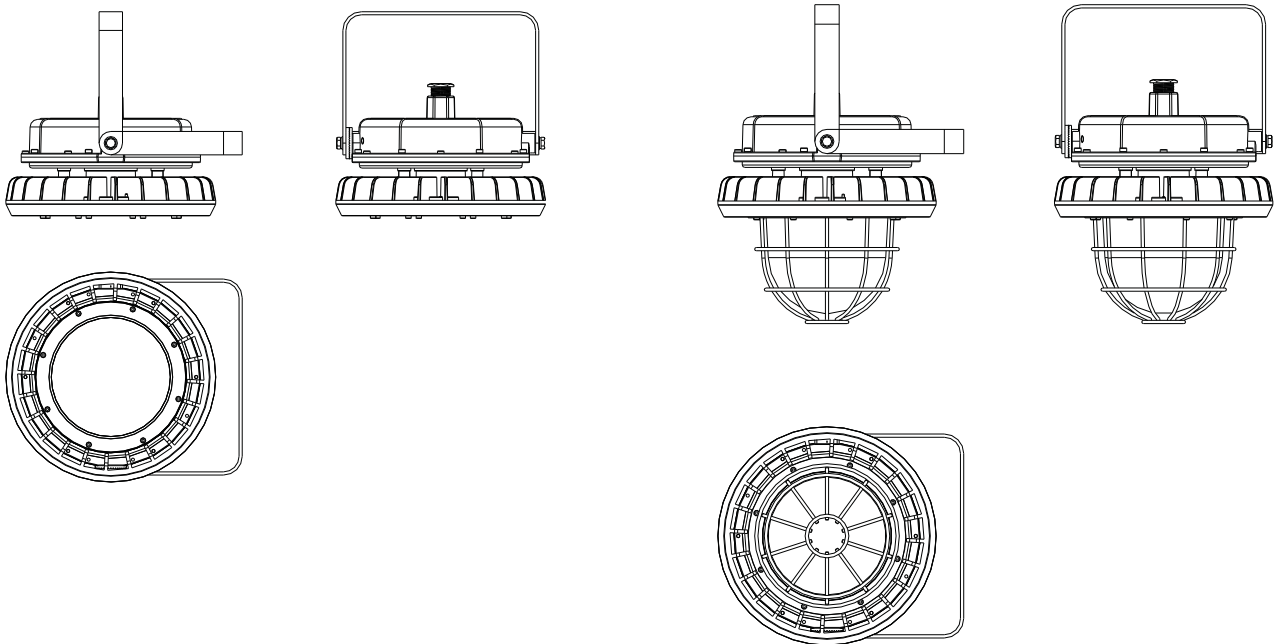
Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EX-20W BYZDA	20	4000K-5700K	AC100-277V or AC200-480V	2800	5 years	70
EX-40W BYZDA	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EX-60W BYZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EX-80W BYZDA	80	4000K-5700K	AC100-277V	11200	5 years	70

"B"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000~5700K "D"=Beam angle: 40°, 60°, 90°, 120°, 140°

Mechanical Information

	Size (in)
AC100-277V models	∅ 10.6x6.5
AC200-480V models	∅ 10.6x6.5

Structure Diagram

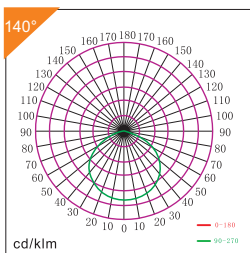
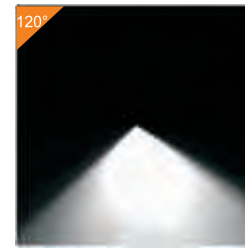
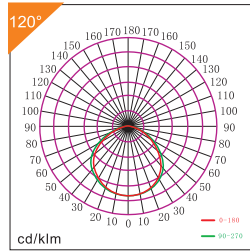
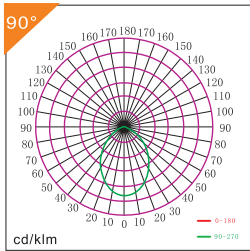
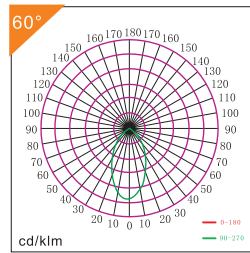
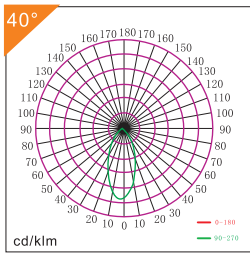


Safe.
Reliable
Efficient.

The unique light distribution design, light type and angle precision control of the LED light source, to avoid light pollution and ineffective utilization of light; soft light, no glare, will not cause eye fatigue of workers, improve working efficiency.

Professional Light Distribution

Light Distribution Pattern

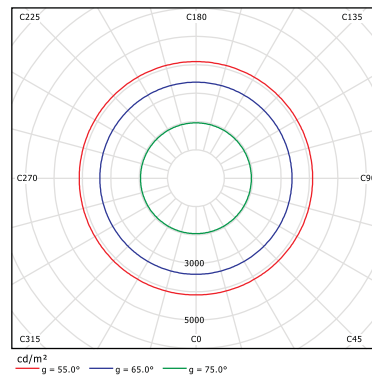


Light intensity curve(80W)

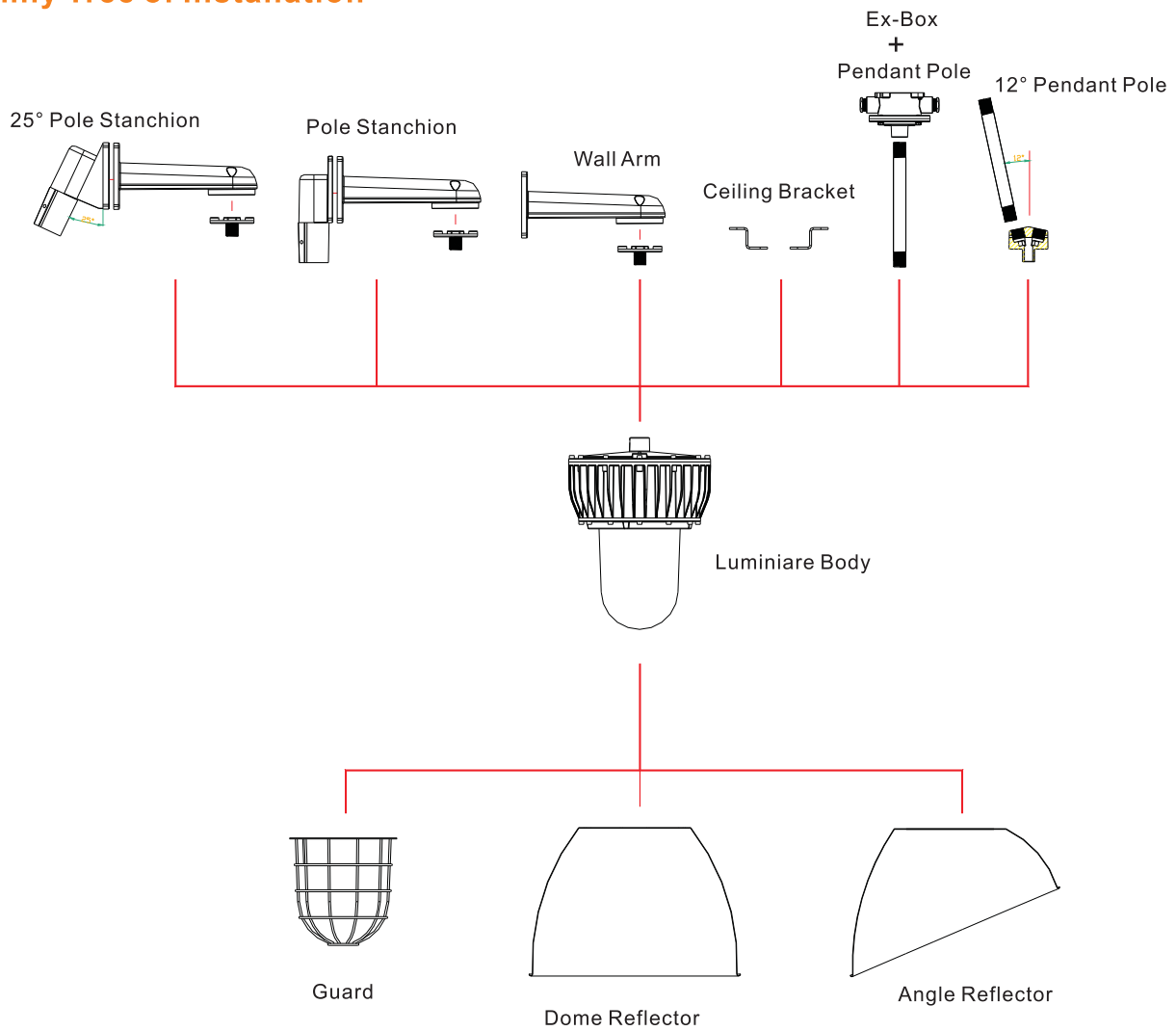
1.0	1.87	E(0°) 15059 E(C0) 55.7° 1417
2.0	3.93	E(0°) 4015 E(C0) 55.7° 374
3.0	5.40	E(0°) 2007 E(C0) 55.7° 180
4.0	7.86	E(0°) 1129 E(C0) 55.7° 101
5.0	10.33	E(0°) 722 E(C0) 55.7° 65
6.0	11.80	E(0°) 502 E(C0) 55.7° 45

Distance [m] Pyramid Diamete [m] Illuminance [lx]
—C0-C180 (Half divergence angle: 111.4°)

Plane illuminance curve



Family Tree of Installation



Adaptor	Conduit	Catalog No.
25° Pole Stanchion	3/4" or 1"	25 DPS
Pole Stanchion	3/4" or 1"	PS
Wall Arm	3/4" or 1"	WA
Ceiling Bracket	Expand Screw	CB
Pendant Pole	Use Ex-Box	PP
12° Pendant Pole	3/4" or 1"	12 DPP
Ex-Box	3/4"	EB